What is claimed is:

1. A method for producing a microarray comprising the steps of spotting a liquid sample containing a biological substance onto the substrate by using an automated dispensing device which is equipped with micropipette and automatically performs at least the operations of supporting the micropipette and ejecting a liquid sample stored in the micropipette, and drying the spotted sample so that the biological substance is fixed onto the substrate, wherein the method comprises the steps of:

forming a droplet of the sample at a pouring port of the micropipette by ejecting a predetermined amount of the sample from the micropipette,

supporting the micropipette at the position where the droplet formed at the pouring port can contact with the substrate and

transferring the droplet formed at the pouring port to the substrate, thereby spotting the sample onto the substrate.

2. The method according to claim 1, wherein the sample is spotted at a plurality of positions on the substrate by an automated dispensing device having a plurality of micropipettes.

3. The method according to claim 1 or 2, wherein the droplet is formed by ejecting 0.5 to 2.0 μl of the sample from the micropipette.